

## Optileb™ CH Spray Range

Fully synthetic chain lubricants, NSF H1 authorized

### Description

Optileb™ CH Spray Range (previously called Viscoleb™ Sprays) are chain lubricants especially developed to meet the requirements of the food and beverage industries.

They are water-resistant and have a high load carrying capacity.

Optileb CH Sprays are tasteless and odorless oils. Special additives specifically protect from wear and prevent corrosion.

Optileb CH Spray chain lubricants are NSF H1 authorized and therefore suited for applications where a direct exposure of the lubricated part to the edible product is possible due to technical reasons.

The Optileb CH range are Kosher and Halal approved prior to filling into the Aerosols.

### Application

- For the special requirements in the food and beverage industries where there may be direct exposure of the lubricated part to the edible product or its packaging
- For chains of production, filling and packaging machines
- For slideways, central lubrication systems, spraying systems (product consolidation)
- Optileb CH 32 Spray especially for chains in the low-temperature range e.g. in frosters
- Temperature application ranges for product without propellant:
  - Optileb CH 32 : - 60°C/- 76°F to + 150°C/+ 302°F
  - Optileb CH 280 : - 30°C/- 22°F to + 200°C/+ 392°F
  - Optileb CH 1500 : - 20°C/- 4°F to + 200°C/+ 392°F

### Advantages

- NSF H1 authorized
- Tasteless and odorless
- Transparent
- Resistant to water
- Compatible with mineral oil, therefore no prior cleaning of the chains when converting to Viscoleb
- Good penetration
- Excellent adherence
- Optimum corrosion and wear protection

## Typical Characteristics

Name	Method	Units	CH 32 Spray	CH 280 Spray	CH 1500 Spray
Colour	Visual	-	transparent	transparent	transparent
Base Oil	-	-	polyalphaolefin	polyalphaolefin	polyalphaolefin
ISO Viscosity	-	-	32	280	1500
Density @ 15°C / 59°F	ASTM D4052 / ISO 12185	kg/m <sup>3</sup>	830	850	870
Kinematic Viscosity @ 40°C / 104°F	ASTM D445 / ISO 3104	mm <sup>2</sup> /s	31	286.3	1443
Kinematic Viscosity @ 100°C / 212°F	ASTM D445 / ISO 3104	mm <sup>2</sup> /s	5.8	30.6	103.0
Viscosity Index	ASTM D2270 / ISO 2909	-	128	145	158
Pour Point	ASTM D97 / ISO 3016	°C/°F	< -70/< -76	-36/-32.8	-24/-11.2
Flash Point - open cup method	ASTM D92 / ISO 2592	°C/°F	220/428	232/449.6	224/435.2
Copper corrosion (24 hrs @ 100°C / 212°F)	ASTM D130 / ISO 2160	Rating	1a	1a	1a
Rust test - distilled water (24 hrs)	ASTM D665A / ISO 7120	-	0	0	0

Subject to usual manufacturing tolerances.

## Additional Information

Above properties are without (Propane/Butane) propellant.

Optileb CH oils are compatible with mineral oil, therefore prior cleaning of the chains is not necessary during conversion.

However, cleaning of heavily contaminated chains is advisable in order to ensure easy penetration of Viscoleb.

For application in central lubrication and spraying systems please observe the specified viscosity.

**This product was previously called Viscoleb Spray Range. The name was changed in 2015.**

Optileb™ CH Spray Range

11 Jul 2016

Castrol, the Castrol logo and related marks are trademarks of Castrol Limited, used under licence.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Material Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either BP plc or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.

Castrol Industrial, Technology Centre, Whitchurch Hill, Pangbourne, Reading, RG8 7QR, United Kingdom

<http://msdspds.castrol.com>